

## Production of polystyrene foam beads with low bulk density

## Abstract

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A process for producing foam beads with low bulk density from thermoplastic polymers, encompassing the stages of

- a) addition of a blowing agent to a thermoplastic polymer melt,
- 10 b) cooling and extrusion, through a die, of the polymer melt comprising blowing agent
- c) cutting of the polymer melt comprising blowing agent downstream of the die at reduced pressure with foaming to give foam beads
- 15 where water and a solubilizer are present in the blowing agent, and foam beads obtainable by the process.

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